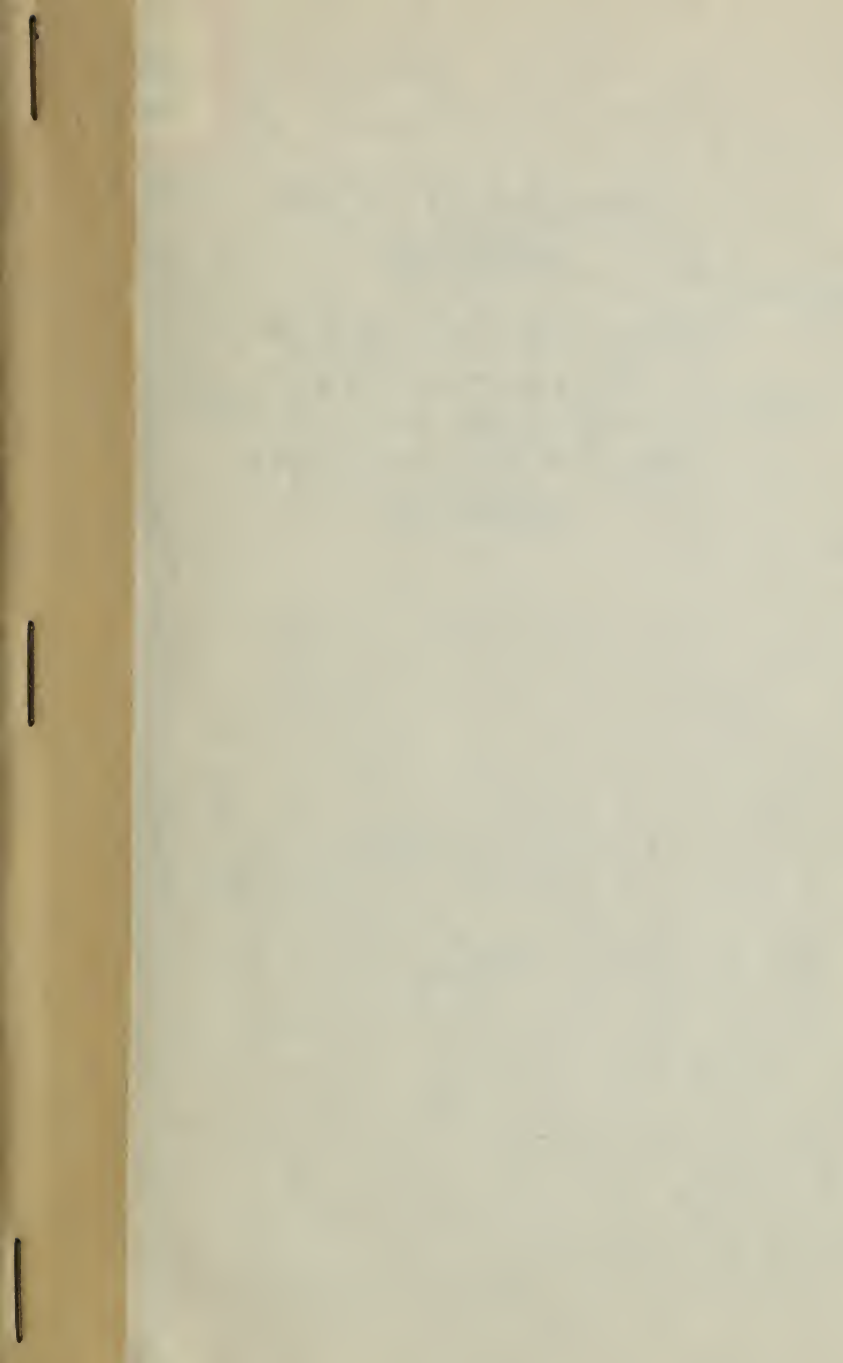


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**DRAKE UNIVERSITY
RECORD**


**COLLEGE OF EDUCATION
TWENTY-FIRST YEAR**

**ANNOUNCEMENT FOR
1909-1910**

AMERICAN MEDICAL ASSN.
RECEIVED

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COUNCIL ON MEDICAL EDUCATION



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DRAKE UNIVERSITY
COLLEGE OF EDUCATION

Announcement for
1909-1910

DRAKE UNIVERSITY COLLEGES AND SCHOOLS.

COLLEGE OF LIBERAL ARTS.—Courses of four years, based upon high school courses four years in extent, leading to the degree of A. B., Ph. B., S. B. Courses requiring an additional year's work, leading to the corresponding Master's degree.

COLLEGE OF THE BIBLE.—English courses, based upon four-year high school course, leading to certificate. Graduate course, requiring three years' work, leading to degree of D. B.

COLLEGE OF LAW.—Three-year course, based on four-year high school course, leading to degree of LL. B.

COLLEGE OF MEDICINE.—Four-year course, based upon four-year high school course, leading to degree of M. D. Two-year course in Pharmaceutical Chemistry, based on four-year high school course.

COLLEGE OF DENTISTRY.—Three-year course, based upon four-year high school course, leading to the degree of D. D. S.

COLLEGE OF EDUCATION.—Course of four years, based upon high school courses four years in extent, leading to degree of Ed. B. The student completing the work may also receive the degree, A. B., Ph. B., or S. B., if work has been properly planned. Two-year courses arranged especially for those preparing to teach in the intermediate and grammar grades, and for Primary, Kindergarten, and Domestic Science teachers and supervisors.

COLLEGE OF FINE ARTS.—Special courses based upon such preparation as best fits the student to pursue the study of his chosen course most profitably. The College of Fine Arts includes three distinct departments—the Conservatory of Music, School of Painting and Drawing, and School of Dramatic Art.

Conservatory of Music.—Four-year courses in Voice, Piano, Pipe Organ, Violin, Cornet and other orchestral instruments, Harmony, Musical History and Theory.

School of Painting and Drawing.—Courses in drawing from geometric forms and plaster casts, and courses in painting in oil, pastel, water colors, and black and white.

School of Dramatic Art.—Two-year courses in Physical Culture, Gesture, Voice Training, Monologue Work, Impersonation, and other forms of dramatic readings.

THE UNIVERSITY HIGH SCHOOL.—Classical, Scientific, Commercial and Teachers' courses, preparing students for entrance to college or for the practical affairs of life. Practical courses offered for those preparing to teach in the rural schools.

For catalogue or other information concerning any of these colleges or schools, address,

THE PRESIDENT,
Drake University, Des Moines, Iowa.

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1907/10

CALENDAR.

Spring Quarter, 1909.

March 29-30, Monday and Tuesday.. Spring quarter begins. Enrollment.
March 31, Wednesday, 8 a. m.....Lectures begin.
May 10, 11, 12, Monday, Tuesday
and Wednesday..... Music festival.
May 12, Wednesday..... May Day, holiday.
June 13, Sunday, 10:30 a.m..... Baccalaureate sermon.
8:00 p.m..... Bible College annual address.
June 14, Monday, 8:15 p. m..... Senior play.
June 15, Tuesday, 10:00 a.m..... Meeting of trustees.
8:15 p. m..... Commencement concert.
June 16, Wednesday, 9:30 a. m..... Commencement exercises.

Summer Quarter, 1909.

June 14, Monday.....Summer quarter begins. Enrollment.
June 18, 19, Friday and Saturday... Short course for teachers begins.
July 30, Friday..... Short course for teachers ends.
August 20, Friday..... Summer quarter ends.

Fall Quarter, 1909.

Sept. 20-21, Monday and Tuesday...Fall quarter begins. Enrollment.
Sept. 22, Wednesday, 8 a. m.....Lectures begin.
Nov. 24-29.....Thanksgiving vacation, from noon
Wednesday to 8 a. m. Monday.
Dec. 22, Wednesday, 5 p. m.....Quarter closes.

Winter Quarter, 1910.

Jan. 3-4, Monday and Tuesday.... Winter quarter begins. Enrollment.
Jan. 5, Wednesday, 8 a. m.....Lectures begin.
Feb. 22, Tuesday..... Washington's birthday, holiday.
March 24, Thursday, noon..... Winter quarter ends.

Spring Quarter, 1910.

March 25, 26, Friday and Saturday.. Spring quarter begins. Enrollment.
March 28, Monday, 8 a. m.....Lectures begin.
May 16, 17, 18, Monday, Tuesday
and Wednesday Music festival.

DRAKE UNIVERSITY

May 18, Wednesday.....	May Day, holiday.
May 30, Monday.....	Decoration Day, holiday.
June 11, Saturday, 8:15 p. m.....	College of Education, address.
June 12, Sunday, 10:30 a. m.....	Baccalaureate sermon.
8:00 p. m.....	Bible College annual address.
June 13, Monday, 8:15 p. m.....	Senior play.
June 14, Tuesday, 10:00 a. m.....	Meeting of trustees.
8:15 p. m.....	Commencement concert.
June 15, Wednesday, 9:30 a. m.....	Commencement exercises.

Summer Quarter, 1910.

June 13, Monday.....	Summer quarter begins. Enrollment.
June 17, 18, Friday and Saturday...	Short course for teachers begins.
July 4, Monday.....	Independence Day, holiday.
July 29, Friday.....	Short course for teachers ends.
Aug. 19, Friday.....	Summer quarter ends.

Fall Quarter, 1910.

Sept. 19-20, Monday and Tuesday...Fall quarter begins. Enrollment.
 Sept. 21, Wednesday.....Lectures begin.
 Nov. 23-28Thanksgiving vacation, from noon
 Wednesday to 8 a. m. Monday.
 Dec. 21, Wednesday.....Fall quarter ends.

THE BOARD OF TRUSTEES.

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Vice-Chairman	Benjamin F. Prunty
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Member Ex-Officio.

Hill McClelland Bell.....President of the University

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Terms Expiring 1910.—B. S. Denny, Des Moines; Finis Idleman, Des Moines; David F. Witter, Des Moines; James W. Hill, Des Moines; J. B. White, Adel; P. C. Frick, Cedar Rapids; **Howard J. Clark, Des Moines; C. M. Chilton, St. Joseph, Mo.**

Terms Expiring 1911.—N. E. Coffin, Des Moines; H. I. Prusia, Mason City; C. S. Medbury, Des Moines; A. U. Chaney, Des Moines; T. P. Shonts, New York City; J. H. Stockham, Des Moines; **C. G. Saunders, Council Bluffs; C. C. Dowell, Des Moines.**

Terms Expiring 1912.—J. Madison Williams, Des Moines; Charles F. Smith, Des Moines; Francis R. Korn, Des Moines; D. H. Buxton, Des Moines; Charles L. Gilcrest, Des Moines; P. P. Sullivan, Greenfield; **Sumner Siberell, Ottumwa; Lafayette Higgins, Des Moines.**

The names of those printed in black faced type were nominated by the alumni of the University.

COMMITTEES OF THE BOARD OF TRUSTEES.**Executive.**

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J. B. Burton, Treasurer.....	1138 Twenty-fifth Street
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Investments.

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J. W. Hill, D. H. Buxton, H. I. Prusia.

Rules.

J. B. White, C. C. Cole, C. C. Dowell, H. J. Clark, H. M. Bell.

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Lafayette Higgins, C. L. Gilcrest, H. M. Bell.

Honors.

J. M. Williams, J. H. Stockham, S. Siberell, F. R. Korn, C. G. Saunders.

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J. L. Sawyers, W. S. Lessinger, P. P. Sullivan, B. S. Denny, C. M. Chilton.

Ways and Means.

Theodore P. Shonts, P. C. Frick, R. Z. McCoy, B. H. Witwer, C. F. McCarty, Norman Haskins, Jennie Robinson.

COLLEGE OF EDUCATION.

FACULTY.

HILL McCLELLAND BELL, A. M., LL. D.,
President of the University.

WILLIAM FRANCIS BARR, A. M.,
Dean of the College of Education and Professor of Education.

WALTER SCOTT ATHEARN, B. Pe.,
Professor of Philosophy of Education.

FLORENCE RICHARDSON, Ph. D.,
Associate Professor of Education.

ELLA FORD-MILLER, Di. B.,
Assistant Professor of Education.

BESSIE PARK,
Assistant Professor of Education.

BEULAH LONG,
Instructor in Domestic Science and Domestic Art.

COLLEGE OF EDUCATION.

HISTORICAL STATEMENT.

In 1888, the Normal Department of Drake University was organized and given quarters in Callanan College, located on Pleasant street. This department, now known as the College of Education, was conducted in these buildings for a period of five years, when it was given rooms in the Science Hall, on the University grounds. The first faculty announced was composed of John W. Akers, president of the college; Margaret Cox, Floyd Davis, Lafayette Higgins, Henrietta D. Carpenter, and Gerhard Zepter. Before the opening of the term in the fall, Mr. Akers, who was at that time State Superintendent of Schools of Iowa, resigned as president of the college, and Mr. Henry C. Long was elected to that position. Hill M. Bell, before the opening of the year, was elected as Professor of Mathematics. Mr. Charles W. Martindale became president of the college in 1889, and Hill M. Bell was made principal of the Normal Department. In 1894, James Madison Williams became Dean of the Normal College. In 1897, Hill M. Bell was elected to that position, and was succeeded by the present Dean, William F. Barr, in 1903. This department was one of the first training schools for teachers in the state to announce any definite standards. It was the first school in Iowa to conduct a practice department, or model school, in connection with such work. The standards in the school have been rapidly advanced until, at the present time, it requires for entrance a four-year high school preparation on the part of the student, and, in order to secure a degree, a four-year course must be completed.

In connection with this department, in 1890, through the efforts of Hill M. Bell and Charles W. Martindale, the first session of the Summer School for Teachers was organized. This Summer School has been one of the most popular institutions in connection with the University. The annual enrollment is about 500.

The college prepares for the best high school, academy, normal school, and even college positions, and graduates of this course are granted first-grade state certificates in Iowa without examination. Most of the states west, northwest and southwest, and some of the states east of the Mississippi river, issue to graduates of this college certificates to teach upon presentation of credentials, requiring no examination unless it be in local school law or local civics.

ENTERING THE COLLEGE.

Credentials.—A student expecting to enter the College should send, previous to his coming, all credits made in high schools and colleges to *Drake University, Des Moines, Iowa*. He should also, if coming from another college, enclose a letter of honorable dismissal, together with a certified copy of any credits made in the institution. If it is impossible to send these credentials before coming to the University at the opening of the term, the student should bring them with him and present them at the office of the Registrar of the University at the time of entering.

The Procedure in Enrolling.—A student entering the College should first go to the Registrar's office, with his credentials, including high school credits, recommendations, and other papers, if these have not been sent previously and filed with the Registrar. A *registration card* will be secured here, entitling the bearer to entrance to the College. In case the student does not have the necessary credentials at hand, he will be given a provisional enrollment for ten days. If, at the end of that time, he has not produced his credentials, the Dean will be notified that, unless satisfactory reasons for the delay are given, the delinquent will be dropped. The Dean will then investigate and report his findings to the Registrar. If the Dean so recommends, the Registrar may, if the student make formal application in writing, extend the provisional enrollment thirty days beyond the expiration of the first ten days.

Matriculation.—The student will present the *registration card* received from the Registrar to the Dean of the College, who will prepare and have approved an *enrollment card*.

Payment of Fees.—The enrollment card received from the Dean will be taken to the office of the Financial Secretary of the University, where payment of tuition and fees for the term may be made. The names of students will be sent to the instructors only after all tuition and fees have been paid. Tuition and fees are payable strictly in advance.

Change in Registration.—After the student has matriculated, he may make changes only with the consent of the Dean of the college, and the payment of twenty-five cents for each change made; provided, that no fee will be charged for dropping studies upon the advice of the Dean of his college.

Entrance Examinations.

Time and Place.—Examinations for admission to the college will be held on the Friday and Saturday preceding the opening of each term. Examinations given at other times must be by special permission of the Examiner, and the payment of a special fee. Those who desire to take these examinations should give notice of their intentions previous to the day of examination.

Fees for Examinations for Admission.—No fee for examinations for entrance will be charged if they are taken on regular examination days. For all admission examinations taken at other times, the fee shall be one dollar for each unit or fraction thereof.

Requirements for Admission.

Students seeking admission to the College of Education must be at least sixteen years of age, and must present satisfactory evidence of academic preparation for entrance or take an examination in certain required subjects specified herein.

All the common branches in their elementary forms, as Arithmetic, Grammar, Reading, Writing, Geography, Physiology, United States History, Civil Government, Drawing, are required, in addition to the specified subjects herein outlined. No academic credit will be given for work in any of these subjects except it be in excess of grammar school work.

Fifteen units are required for entrance to the freshman class, as follows:

For admission to any course—

Algebra	1½ units.
Geometry	1 unit.
English	3 units.
History	1 unit.
Science (Physics preferred)	1 unit.

Additional admission requirements—

For Classical or Philosophical course—

Latin (or Greek)	4 units.
Elective	3½ units.

For Scientific course—

Foreign Language	2 units.
Elective	5½ units.

A unit is the equivalent of one study reciting five times a week for one year of thirty-six weeks, each recitation being not less than forty-five minutes in length.

From the above table it will be seen that candidates are admitted to freshman standing on the presentation of fifteen units from the list of approved preparatory subjects; provided, that three of these units must be in English, two and one-half in Mathematics, one each in History and Science, and at least two in Language other than English.

Conditional Admission.

Students may be given conditional freshman standing with a maximum deficiency of two units. They will be required to make up such deficiency in preparatory work as early as possible, without receiving college credit therefor.

Students below freshman standing will find opportunity in the University High School to complete their preparatory work.

CURRICULA.

The College.

The degree Bachelor of Education is granted for two years' work (90 hours) in addition to that of any Junior College course. The candidate for this degree must present a major in Education, a minor (24 term hours) and fifteen term hours of Foreign Language. A part of the work of the major and of the minor may be done in the Junior College.

The Junior College Courses—Two Years.

1. *For Grade Teachers.*

English	9 hours	School Management and	
Public Speaking	6 hours	School Supervision.....	9 hours
Psychology	9 hours	Hand Work	6 hours
History of Education.....	6 hours	Elective	21 hours
Special Methods (9) (10)			
(11)	24 hours	Total	90 hours

Practice Teaching half days, one quarter.

Vocal Music and Drawing will be required of all candidates for graduation. They may be taken as electives.

2. *For Primary Teachers.*

English	9 hours	Education	30 hours
Laboratory Science	9 hours	Elective	27 hours
Public Speaking	6 hours		
Psychology	9 hours	Total	90 hours

Practice teaching, half days, one quarter.

One year each of Vocal Music, Drawing, and Physical Culture are required. Vocal Music and Drawing may be taken as electives.

3. *For Kindergarten Teachers.*

English	9 hours	Drawing	6 hours
Psychology	9 hours	Physical Culture	6 hours
Laboratory Science	9 hours	Education	39 hours
Vocal Music	6 hours		
Public Speaking	6 hours	Total	90 hours

Practice work, half days, one year.

4. *For Teachers of Domestic Science and Art.*

English	9 hours	Domestic Science and	
Psychology	9 hours	Domestic Art	30 hours
Chemistry	9 hours	Elective	12 hours
Public Speaking	6 hours		
Education	15 hours	Total	90 hours

COURSES OF INSTRUCTION IN THE SENIOR COLLEGE.

Education.

1. (a) *School Management*.—In this class the theory of School Management will be taken up. The various problems which confront teachers at the beginning of their school work will be considered carefully, and that which can be used for the development of the student will be sought out and used to the best advantage. The object will be to develop a tendency toward a thorough consideration of all the phases of relationship between pupil, teacher and parent, and to fit the teacher for securing the best possible results when the practical work is begun. Fall quarter; Monday, Wednesday, and Friday, at 11:00 a. m.

(b) *School Management*.—This course will deal with the organization and management of schools, the correlation of studies, choice of text-books, the relation of secondary schools to higher institutions of learning, and with such other problems as frequently call for solution at the hands of the superintendent, teachers, and Board of Education. In this class, also, a brief history of the growth of supervision in this country, as a school agency, is investigated. The whole problem of unification of school systems naturally arises for consideration. Winter and spring quarters; Monday, Wednesday, and Friday, at 11:00 a. m. Professor Barr.

2. *General Methods*.—The course will deal with the functions and aim of Education, and the methods by means of which these aims may be most advantageously realized. The work of the two first terms will be devoted to discussions of theories and psychological principles. In the spring term the members of the class will be given an opportunity for a systematic inspection of the schools of the city as a practical rounding-out of the course. No text will be used, but extensive readings will be assigned, and reports required on the various phases of the work. Open only to second-year students who have had Psychology or who are carrying it in connection with this course. A student may enter only in the fall quarter. Tuesday and Thursday, at 8:00 a. m. Not offered in 1909-1910. Associate Professor Richardson.

3. *Philosophy of Education*.—A study in the concrete, so far as may be, of functions, possibilities, and principles of education. Beginning with biological data, the course leads directly to psychological functionings and possibilities. Illustrative material will be drawn from historical sources and present-day practices. Much use will be made of the material found in

our library and in those of the city and state. Open to those who have had Psychology I. Tuesday and Thursday, at 10:00 a. m.

4. *History of Education*.—This will be a general course, and will make a study of the educational movements from the earliest times down to the present. Especial attention will be given to the effect of different educational systems upon the development of the race. Educational systems as found in leading nations of the present day will be studied during the spring term. The different systems will be criticised and students will seek to know their defects and their elements of strength. The provision for the training of teachers in each country considered will be given such attention as its importance demands. Throughout the year; Tuesday and Thursday, at 11:00 a. m. Professor Barr.

5. *History of Education*.—A comparative study of the school systems of Germany, England and the United States. The course will trace the historical development of the existing systems of elementary and secondary education, with especial emphasis upon the characteristic ideals that have differentiated them, and upon present tendencies. Pre-requisite, Education 4. Throughout the year; Tuesday and Thursday, at 8:00 a. m. Professor Barr.

6. *History of Secondary and Higher Education*.—This course is a study of the History of Secondary Education, beginning with the eighteenth century. Open to those only who have had Course 4. Throughout the year; Tuesday and Thursday, at 9:00 a. m. Professor Barr.

7. *History of Education*.—This course makes a study of some of the most celebrated educational writings of ancient and of modern times. The influence of Plato, Xenophon, Aristotle, Quintilian, Luther, Comenius, Locke, Rousseau, Pestalozzi, Froebel, Herbart, Spencer, and Horace Mann is studied through reading their writings as critically as possible. The purpose is to trace the development of educational thought through the centuries and to show how it was related to the world of thought and the world of action. Open to those who have had Course 4. Monday and Wednesday, at 3:00 p. m. Professor Barr. Not offered in 1909-1910.

SYSTEM OF INSTRUCTION.

FOR SUPERINTENDENTS AND SUPERVISORS.

Superintendents and supervisors should have, in addition to scholastic preparation, technical training covering the work of the grades. To those who take the full four years of work leading to the degree of Bachelor of Education, the College of Education affords opportunity for this technical training. Graduates of this college are granted first-grade state certificates without examination and are ready for the best professional positions. The professional work, additional to that of the Junior College, may be elected from Courses 1 to 7, inclusive.

FOR GRADE TEACHERS.

During the past decade, normal schools and colleges have been multiplying courses of instruction for primary teachers, for special teachers, and for high school teachers, but little has been done for grade teachers. For several years there has been a growing feeling that special courses of instruction adapted to the needs of teachers from the fourth to the eighth grade ought to be offered.

School boards and school superintendents have begun to demand special preparation of candidates for these positions, and salaries offered for teachers in the intermediate and upper grades are now equal to those offered in the primary grades, and are frequently as attractive as those of the high schools.

The course for grade teachers is planned to fit teachers for the work of the grades from the fourth to the eighth. While the liberal education value will be kept in mind throughout the entire work, the specific problems of the grade teacher will be given chief attention. The special courses are briefly outlined here. The outline of the regular courses is given elsewhere in this announcement.

Education 8.—History of Education.—This course is adapted to the special needs of students preparing for work below the high school. Monday and Wednesday, at 3:00 p. m., and Tuesday and Thursday, at 1:00 p. m. Professor Barr and Miss Park.

Education 9.—The course will embrace a review of Arithmetic, Algebra, Grammar, Reading, and Physiology, paying attention both to the subject-matter and to the best methods of teaching. Throughout the year; Monday, Wednesday, and Friday, at 8:00 a. m. Professor Barr.

Education 10.—This course is a continuation of Course 9, taking up a review of United States History, Geography, and Elementary Science. Throughout the year; Tuesday and Thursday, at 8:00 a. m. Associate Professor Richardson.

Education 11.—The purpose will be to give the student a knowledge of the work of Reading, Literature, and Hand Work for the lower grades. The special character of the work and the division of time between the subjects will depend upon the class. Throughout the year; Monday, Wednesday, and Friday, at 9:00 a. m. Mrs. Miller.

Drawing.—The elementary principles of Drawing and method of planning the work for the grades. The course will include design, composition, sketching, illustrating, lettering, color study, values, still life, perspective, nature work, pose drawing, and some art history. Tuesday and Thursday, at 11:00 a. m. Miss Conkright.

Music.—Music is recognized as an essential factor in the development of every child; hence every grade teacher should have a knowledge of the elementary principles of the subject, and should be able to direct the child in the development of his musical talent. The purpose of this course is to prepare the teacher for this work. Tuesday and Thursday, at 3:00 p. m.

Physical Culture.—Tuesday and Thursday, at 4:00 p. m. Miss Iles.

FOR PRIMARY TEACHERS.

The design of the primary course is to fit teachers for competent professional work in the primary grades. The demand for experienced primary teachers increases every year, so that students who complete the work of this department have no difficulty in securing positions in the best schools of Iowa and other states. The supply has not been equal to the demand for several years.

Practice teaching is a part of the required course, and students taking the course will do practice teaching in the public schools of the city of Des Moines. The student teacher is given high ideals by being put in a position to observe intelligently the best schools taught by the best teachers.

The student is given opportunity to do real teaching under normal conditions, thus gaining power in imparting knowledge, and managing classes. Practice teaching may be in any grade below the fourth.

Each candidate for graduation will be required to prepare a well written thesis of 2,000 words or more.

Courses of Instruction.

Education 12.—Methods and management.

Literature.—This work consists of a study of literature suited to the various ages of children. The course calls for a careful study of children's books of mythology, including the Greek, Roman and Norse myths. The origin, interpretation and use of fairy tales is studied with care. Historical and didactic stories and poems are studied from the child's point of view. Wednesday and Friday, at 10:00 a. m. Mrs. Miller.

School Management will be offered on Mondays at 10:00 a. m., by Mrs. Miller.

Education 13.—Methods.—We believe a knowledge of all methods is necessary for the teacher to be able to select the best method. The work in Methods includes the following;

Number Work.—Aims and requisites of different methods discussed and typical lessons outlined according to each. Each method is studied in comparison with other methods.

Nature Study.—The study of living things is one to which the child naturally turns with pleasure. The results of such study are of much value from both the practical, economic, and the cultural point of view. All teachers in the grades should be able to present the subject in its attractiveness.

The object of this work:

1. To arouse an interest in nature.
2. To become familiar with the common natural objects and phenomena.
3. To gain a knowledge of some of the underlying principles which govern the universe.

Geography.—A few lessons on direction and position will form the starting point for this work. These will be followed by a study of the school surroundings, the schoolroom, schoolyard, neighborhood and city. The mills, factories, mines, brick works, historical building and capitol will be visited. Imaginary journeys in our own land and foreign countries will be outlined. The child life of the Esquimaux, the Hollander, and others are dwelt upon. The use of pictures, maps and sand table will be discussed.

Reading.—Much time is spent in looking into the history of the development, advantages and disadvantages of the following methods: Alphabetic, Phonic, Pollard, Sentence, Action, and Aldine. The study includes a consideration of the relation of silent and oral reading; assignment of lessons; spelling, writing, drawing and literature as related to reading. A comparative study is made of the best readers now in use.

Games.—A study is made of play as a factor in education. Froebel's interpretation of instinctive child play is thoroughly discussed in its bearing on child life and training. Traditional games are studied in their history, their prevalent forms and their relation to those used in the kindergarten. Finally, through practice in playing, the student gains familiarity with and skill in using the games and songs. Monday, Wednesday, and Friday, at 10:00 a. m. Mrs. Miller.

Education 14.—Construction, including theory and practice in clay modeling, color work, paper folding, free-hand cutting and paper weaving. Tuesday and Thursday, at 10:00 a. m. and 2:00 p. m. Mrs. Miller.

Education 15.—Construction, including hammock weaving, loom weaving, sewing, raffia work, basket weaving, and book binding. Tuesday and Thursday, at 1:00 p. m. Mrs. Miller.

Drawing.—The purpose is to aid the child to gain power of expression; the mediums used are chalk, pencil, charcoal, water colors and crayons. The course includes all that the primary teacher can use in her work. Tuesday and Thursday, at 9:00 and at 10:00 a. m. Miss Conkright.

Music.—Special course for primary teachers. Tuesday and Thursday, at 4:00 p. m. Mr. Downing.

Physical Culture.—Wednesday and Friday, at 11:30 a. m. Miss Iles.

Students owning the following books should bring them: Æsop's Fables, Andersen's Fairy Tales, Grimm's Fairy Tales, Pollard Manual, Speer Arithmetic, books on education; books of poems—Longfellow, Cary, Whittier, Field, Sherman, Stevenson, Larcom. Scissors are required for much of the handwork.

Unclassified Students.

To enter as an unclassified student, the candidate must be at least twenty-one years of age, and must satisfy the Dean that she has the ability to do the grade of work demanded of the regular students.

For the benefit of such students, classes in all certificate subjects, including Elementary Psychology and Elementary History of Education, will be organized in the University High School. Any student in the College of Education may enter these classes if it seems best.

FOR KINDERGARTEN TEACHERS.

Courses of Instruction.

Education 16.—Philosophy of Education.—An adaptation of Course 3 to the needs of those preparing to become kindergarten teachers. For freshmen. Full year; Wednesday and Friday, at 11:00 a. m. Miss Park.

Education 17.—Philosophy of Education.—A continuation of Course 16, for sophomores. Full year; Monday and Wednesday, at 3:00 p. m. Miss Park.

Education 18.—Theory.—The work of this course deals with the principles and methods governing Froebel's kindergarten gifts. A study of the technic of the gift and their relation to child life is made. Practice in manipulation of material and planning of progressive lessons and plays are required, together with the presenting of lessons to the class. Throughout the year; Tuesday, 9:00 a. m. Miss Park.

Education 19.—Program.—A study of the principles underlying a continuous plan of work and play. Each student makes out programs of work to be used in kindergarten. A comparative study of different theories of programs is made. The principles of various typical programs are discussed from many standpoints. Nature work in its relation to the program is considered. Throughout the year; Section I, Tuesday, and Section II, Thursday, at 2:00 p. m. Miss Park.

Education 20.—Hand Work I.—Detailed study of the following occupations: Color and design work, folding, sewing, weaving, free-hand cutting, clay and sand. Principles and methods involved in the use of materials are studied in relation to child nature. Skill is required of students to create not only from a child's standpoint but from an artistic standpoint of the adult. Throughout the year; Tuesday and Friday, at 10:00 a. m. Miss Park.

Education 21.—Hand Work II.—Deals with work in construction (card-board modeling), design work, folding and cutting, rolled paper, slat work, interlacing, and design work with sticks, rings, and tablets. Fall and winter quarter; Monday, at 2:00 p. m. Miss Park.

Education 22.—Games.—A study of children's games, folk and traditional, gymnastic and ball games. Classification of games according to age and interest of children. Study of theories of play and games, and actual playing and conducting of games. Winter quarter; Monday, at 4:00 p. m. Miss Park.

Education 23.—Stories.—This course gives a general survey of appropriate literature for little children, including folk and fairy tales, history stories, nature stories, fables and poems, and works out a classification of this literature for purposes of reference. It also aims, by discussion and demonstration of the principles underlying the selection and presentation of stories to children, to thoroughly equip the student for this part of her work. Fall quarter; Wednesday, at 2:00 p. m., and spring quarter, Monday, at 1:00 p. m. Miss Park.

Education 24.—Kindergarten Observation.—Three hours a week during the first, second and third terms. The observation in kindergarten gives an opportunity to become acquainted with the basic principles of education in actual operation, and to know the materials through methods of use. Thursday, 9:00 a. m. to 12:00 m.

Class work consists of records made of work observed, criticism, conferences, and reference work. Also study of general plan and theory of school management. Wednesday, at 10:00 a. m. Miss Park.

Education 25.—Practice Teaching.—Each student taking a full course will be expected to attend regularly some appointed kindergarten, where, under the guidance of a competent director and the oversight of the supervisor, she will have the opportunity to put the instruction taken in classroom into practice with the children. Students who fail in such practice work will not receive the diploma, even though their normal work be satisfactory. Forenoons, throughout the year.

Drawing.—The purpose in this work is to give the student power to use Drawing as a means of expression in all subjects, and also to train him to present the subject to children.

Every child loves to draw, and it not only helps him express his thoughts but trains his eye to accuracy, his hand to skill, and teaches him to recognize and appreciate beauty in nature and art.

His teacher, in order to direct this work, must understand the elementary principles of Drawing.

The mediums used are chalk, pencil, charcoal, water colors, and crayons. The course includes color work, object drawing, elementary perspective, blackboard illustrating, copying, free-hand lettering, elementary composition and design, imaginative drawing, picture study, methods and practice teaching.

Kindergarten Drawing.—Monday, 10:00 a. m. to 12:00 m. Miss Conkright.

Physical Culture.—Wednesday and Friday, at 11:30 a. m. Miss Iles.

Music.—Tuesday and Thursday, at 4:00 p. m. Mr. Downing.

Special Calendar.

The West Des Moines public schools open September 7, 1909. All senior students in this college are expected to present themselves to the supervisor in Des Moines for instructions not later than September 6, 1909; junior students will report two weeks later, or September 20, 1909.

IN DOMESTIC SCIENCE AND DOMESTIC ART.

Courses of Instruction.

1. (a) *Foods*.—A study of source, production, cultivation, transportation, composition, market and relative values of foods. The method by which heat is applied to foods; household fuels and their uses; cooking apparatus. Fall quarter. Three hours' credit.

(b) *Foods*.—Continuation of above. Pre-requisite, Course 1 (a). Winter quarter.

(c) *Foods*.—Continuation of above. Pre-requisite, Course 1 (a) and (b). Spring quarter.

Lectures.—Monday and Wednesday, 1:00 to 2:00 p. m.

Laboratory.—Friday, 1:00 to 3:00 p. m. Miss Long.

2. (a) *Dietetics*.—Nutritive and money value of foodstuffs; sanitary and economic aspects of food; adulterations; popular misconceptions as to foods. Pre-requisite, Course 1. Fall quarter. Two hours' credit.

(b) Continuation of the above. Winter quarter. Pre-requisite, Course 1. Two hours' credit.

(c) *Fancy and Invalid Cookery*.—Advanced work in experimental cookery. Pre-requisite, Course 1. Spring quarter. Two hours' credit.

Lecture.—Wednesday, 2:00 to 3:00 p. m.

Laboratory.—Monday, 2:00 to 4:00 p. m. Miss Long.

3. (a) *House Sanitation*.—A study of the location and surroundings of the home, its plan, furnishings and care from a sanitary standpoint, including drainage and water supply. Fall quarter.

(b) *Household Management*.—A study of the apportionment of the income; care of the house, scientific principles involved in various processes in laundry work. Winter quarter.

(c) *Domestic Service*.—Spring quarter; Tuesday and Thursday, at 8:00 a. m. Miss Long.

4. *Foods*.—Presents the hygiene, scientific and sanitary features of the household in such a manner as will prove of practical benefit to women who manage their own homes. No pre-requisite and no college credit in this course. Full year; Monday, 2:00 to 5:00 p. m. Miss Long.

5. (a) *Household Economics*.—Foods and Dietetics.—Outline of food principles; digestion of starch, fat, sugar, protein, etc.; combustion, household fuels and their uses; composition, digestion, food, and market values of foods. Open to freshmen. Fall quarter. Two hours' credit.

(b) *Household Economics*.—Continuation of above. Pre-requisite, Course (a). Winter quarter.

(c) *Household Economics*.—Continuation of above. Pre-requisite, Courses (a) and (b). Spring quarter.

Lecture.—Tuesday, 1:00 to 2:00 p. m.

Laboratory.—Thursday, 1:00 to 3:00 p. m. Miss Long.

6. (a) *Domestic Art*.—In the fall term, a portfolio exemplifying the elementary stitches, patching and darning is made; lectures include a study of the manufacture of fabrics; study of clothing from artistic, hygienic and philosophical standpoint. Fall quarter.

(b) Continuation of above. Winter quarter.

(c) Continuation of above. Spring quarter.

Tuesday and Thursday, 9:00 to 11:00 a. m.

Note.—All material must be furnished by the student.

The courses below cover all of the required Liberal Arts work of all Education courses:

Botany.

1. *General Botany*.—Full year; daily, at 1:00 p. m. Professor Conklin.

2. *Morphology of Cryptogams*.—Full year; Monday, Wednesday, and Friday, at 10:00 a. m. Professor Conklin.

Other courses are available.

Chemistry.

1. *General Inorganic Chemistry*.—Full year; Monday, Wednesday, and Friday, at 2:00 p. m. Professor Kinney.

2. *Qualitative Chemistry*.—Full year; Monday, Wednesday, and Friday, at 8:00 a. m. Professor Kinney.

Other courses are available.

English.

1. *Narrative Forms*.—Full year; Monday, Wednesday, and Friday, at 9:00, 10:00 a. m., 1:00, 2:00 and 3:00 p. m. Mrs SeEVERS and Miss Henderson.

2. *Development of English Poetry*.—Full year; Monday, Wednesday, and Friday, at 2:00 p. m. Professor Smith.

Other courses in English are available.

German.

1. *Elementary Course*.—Full year; daily, at 8:00 and 10:00 a. m. and 1:00 p. m. Mrs. Griffith.

2. *Prose Readings*.—Full year; Monday, Wednesday, and Friday, at 9:00 and 11:00 a. m. Mrs. Griffith.

Advanced courses are offered also.

French.

1. *Elementary Course*.—Full year; daily, at 2:00 p. m. Miss Black.

2. *Prose Readings*.—Full year; Monday, Wednesday, and Friday, at 11:00 a. m. Miss Black.

Advanced courses are available.

History.

1. *Europe During the Middle Ages and the Renaissance*.—Full year; Monday, Wednesday, and Friday, at 8:00 a. m. and 9:00 a. m. Professor Griffith.

2. *The Periods of the Reformation and the French Revolution*.—Full year; Tuesday and Thursday, at 10:00 a. m. Professor Clark.

3. *English History*.—Full year; Tuesday and Thursday, at 11:00 a. m. Professor Clark.

Other courses in History are available to advanced students.

Latin.

1. *Livy, Cicero and Horace*.—Full year; Monday, Wednesday, and Friday, at 9:00 a. m. and 10:00 a. m. Professor Denny.

2. *Latin Composition*.—Full year; Tuesday and Thursday, at 1:00 p. m. Professor Denny.

Advanced courses are also open to the student.

Mathematics.

1. *Solid Geometry and College Algebra*.—Full year; Monday, Wednesday, and Friday, at 11:00 a. m. Mrs. Mitchell.

2. *Trigonometry and Analytical Geometry*.—Full year; daily, at 10:00 a. m. Mrs. Mitchell.

Other advanced courses are available.

Psychology.

1. *Introductory Psychology*.—Full year; Monday, Wednesday, and Friday, at 9:00 a. m. and 2:00 p. m. Assistant Professor Richardson.
Other courses in Psychology and Philosophy are available.

Physics.

1. *General Course*.—Full year; Monday, Wednesday, and Friday, at 10:00 a. m. Professor Morehouse.
Other courses in Physics are available.

Public Speaking.

1. *Literary Interpretation*.—Full year; Tuesday and Thursday, at 10:00 a. m. and 2:00 p. m.; Wednesday and Friday, at 8:00 a. m. Professor Brown.
2. *Methods and Reading*.—For students intending to teach Reading of any grade. Wednesday and Friday, at 4:00 p. m. Professor Brown.
Other courses in Public Speaking may be elected.

Zoology.

1. *Elementary Vertebrate and Invertebrate Zoology*.—Full year; Monday, Wednesday, and Friday, at 8:00 a. m.; Monday, Tuesday, and Thursday, at 2:00 p. m. Professor Ross.
2. *Vertebrate Zoology*.—Full year; Monday, Wednesday, and Friday, at 2:00 p. m. Professor Ross.
3. *Ecology*.—Full year; Tuesday and Thursday, at 9:00 a. m. Professor Ross.
Other courses are available.

Elective Courses.

Full descriptive statements of the elective courses will be found in the announcement of the College of Liberal Arts.

GENERAL INFORMATION.

Normal Courses.

For many years the University combined the work of the Normal School with that of the Preparatory School. The organization of the College of Education made it necessary that certificate subjects of preparatory grade be taught by other than college teachers, so plans have been made for special classes in those subjects in the University High School.

For the coming year it is expected that larger provision than ever in the past will be made for the needs of those preparing for any grade of certificate, county or state. While there will be no effort to drill specially for examinations, teachers may feel assured that the work in these classes will be of threefold character, giving as broad view as possible of the subject-matter, giving attention to the methods of instruction, and covering the field usually covered in examinations. Second-grade certificate subjects will be given every term.

It is not possible to give an outline of this work here. Those interested should write for special announcement.

Examinations.—Those desiring to write examinations here should get permits from their county superintendents at least two weeks in advance. This being done, the Dean of the College of Education will arrange for the examination without additional expense to the candidate.

Positions for Teachers.

The Board of Recommendations, appointed by the President of the University, through an executive committee of three members, aids students preparing to teach to secure such positions as their qualifications merit. The plan of the committee is to inquire into the merits of the candidates enrolling with it, and to recommend directly to employers, thus giving the most direct service possible. The success of this method is attested by the fact that every graduate seeking the aid of the committee last year is satisfactorily located. Neither employer nor employe pays any fee of any sort.

University Extension Courses.

There is a legitimate field for extension courses, and in this field the University works.

Lectures.—Members of the faculty of the University will give lectures for special days and special occasions upon short notice, when such lectures do not interfere with their regular work.

Occasions.—These days and occasions include Washington's Birthday, Decoration Day, Labor Day, farmers' institutes, old settlers' reunions, commencements, class day exercises, county and local teachers' meetings, etc.

Text-books.

In most cases, the student will not need to purchase text-books. Some classes use the library exclusively, while for others, books are rented at a nominal rate by the University.

EXPENSES IN COLLEGE OF EDUCATION.

Tuition and Fees.

Tuition in Senior College—

Fall quarter, \$19; winter quarter, \$17; spring quarter, \$17.

Tuition in Junior College—

Fall quarter, \$22; winter quarter, \$21; spring quarter, \$20.

The tuition for graduate students is the same as that for undergraduates.

A reduction of one dollar is made in the tuition charge for each quarter if the student completes his matriculation and pays his tuition *before the close of the second day of enrollment*. If the student is in attendance and does not enroll the first week, he will be required to pay one dollar additional for each week or fraction thereof that he delays his enrollment.

Registration fee, payable once each year, \$1.

Contingent fee, per quarter, \$2.

Incidental fee, per quarter, \$1.

The Incidental fee entitles each student to bath and locker privileges in the gymnasium, instruction in Physical Culture and Gymnastics, free medical examinations for entrance to any of the Physical Training work; also free diagnosis and advice by the University Physician. No part of this fee goes to the support of athletics. All students enrolled in the University are given free general admission tickets to the Y. M. C. A. lecture course, consisting of at least six numbers, including the artists' recitals in the Conservatory of Music; to the home contests in debate and oratory, and also to the Alumni-'Varsity football game in the fall and to the Home track meet in the spring. Those desiring reserved seats at any of the entertainments or contests will pay an extra charge for them. One year's experience demonstrates that this fee results in an appreciable reduction of the student's expenses.

Library fee, per quarter, \$1.

The income from the Library fee enables the instructors to place in the library a large number of books for the use of students, and thus *save to each one much more than the amount of the fee*, which he would otherwise need to pay for text-books. It is not possible to do away with text-books, but by this plan the expense on that account is greatly reduced.

The first year of trial shows that students actually save in expense from \$5 to \$30 per year in excess of the small Library fee.

Laboratory fees, per term—

Astronomy I, 50c; II	\$3.00	Handwork (Primary)	\$.50
Botany	2.00	Handwork (Kindergarten) ...	1.00
Chemistry, I and II	3.00	Handwork (Grade)	1.00
Domestic Science	3.00	Histology (Animal)	2.00
Domestic Art	2.00	Physics, I and II	3.00
Drawing, Free-hand50	Psychology, II	2.00
Geology	2.00	Zoology, I and II	3.00

Laboratory Deposit Fee.—The deposit fee to cover breakage, key and lock deposits in each laboratory science, \$3 per year.

The unused portion of deposit fees is returned.

Note.—In determining the amount to be returned, subtractions will be made, first, for all breakage of materials that have been entrusted to the students; second, for all losses of apparatus and materials; third, in addition to the foregoing, an amount equal to thirty per cent of the deposit will be deducted to cover general losses and breakage in the laboratory; fourth, for each lock not returned, 50 cents, and for each key, 25 cents.

Microscopes.—Each student is urged to supply himself with a good microscope. The University will sell microscopes to the student at cost price. In case he is not able to purchase a microscope, the University will rent him one at \$2, \$3, or \$4 per term, depending upon the quality of the instrument. A student renting a microscope becomes responsible for its value. Usually two or three students can use the same microscope, thus greatly reducing the expense to each.

Graduation fee, \$10.

Tuition and fees are not refunded and are not transferable.

Board and Room.

The expense of board and room and sundries at Drake University varies in accordance with the habits and tastes of the students. Good rooms may be had at from \$5 to \$10 per month. These rooms are furnished, heated, lighted, and taken care of, so that there is no additional expense for laundry or furnishing of the rooms. Where two students use one room, the expense to each runs from about 65 cents to \$1.25 per week. It should be understood that more expensive rooms can be had by those desiring them, but the rooms described are very satisfactory. Board can usually be had at from \$2 to \$4 per week.

SUMMER SCHOOL, 1910.

The summer quarter will open June 13th, and continue until August 19th. The work of the quarter will be in charge of regular members of the faculty, and will give the usual credit. As has been the custom in summer

work, all courses are so planned that they may be completed during this session.

Teachers' Short Course.

The short course will open June 17th and continue to July 29th. This course is planned for teachers wishing to prepare for any grade of certificate and for those wishing methods of teaching. A strong faculty will be engaged and many attractive courses provided. The announcement of summer work will be ready about April 1st, and will be sent upon request. We shall be glad to have names of those who may be interested in regular or in summer work. Examinations for uniform county certificates may be taken at the University on any regular examination dates.



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